



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

D5013-15
Job Sheet 200040



Part No: D5013-15

Job Qty: 10 pcs

Part Name: Bushing



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 9/6/19

Job Tracking No:

Due Date: 9/12/19

Created By: Chantal Lavoie

Type: Stock

Description:

Note: IPP REV:A 14.05.20 NEW ISSUE DD VERF:JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier	Sign-off
					Setup	Run		
					Hrs	Hrs	Workcenter / Supplier Lead Time	
100	Purchasing DAS SEP 06 2019 13 9-89 <i>PO HB04442</i>	10 pcs		9/12/19	0.00	0.00	Purchasing - 1	
							Purchasing - 2	
							Purchasing - 3	<i>DP</i> SEP 30 2019
110	Packaging 2-1 - Receive - B4B	10 pcs		9/12/19	0.00	0.00	Packaging 2 - 1 - B4B	
							Packaging 2 - 2 - B4B	
							Packaging 2 - 3 - B4B	
							Packaging 2 - 5 - B4B	
							Packaging 2 - 4 - B4B	
							Packaging 2 - 6 - B4B	
							Packaging 2 - 7 - B4B	
							Packaging 2 - 8 - B4B	
							Packaging 2 - 9 - B4B	
							Packaging 2 - 10 - B4B	
							Packaging 2 - 11 - B4B	
							Packaging 2 - 12 - B4B	
							Packaging 2 - 13 - B4B	<i>DP</i> SEP 30 2019
							Packaging 2 - 14 - B4B	
							Packaging 2 - 15 - B4B	
							Packaging 2 - 16 - B4B	
							Packaging 2 - 17 - B4B	
							Packaging 2 - 18 - B4B	
							Packaging 2 - 19 - B4B	
							Packaging 2 - 20 - B4B	
							Packaging 2 - 21 - B4B	
							Packaging 2 - 22 - B4B	
							Packaging 2 - 23 - B4B	
							Packaging 2 - 24 - B4B	
							Packaging 2 - 25 - B4B	
							Packaging 2 - 26 - B4B	
							Packaging 2 - 27 - B4B	
							Packaging 2 - 28 - B4B	



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Container No: S218283



Part: D5013-15

Job No: 200040

Serial No/Batch: S218283

Revision: C

Inspector:

Exp Date:

Instructions:

Date: 09/30/19

				Packaging 2 - 29 - B4B	
				Packaging 2 - 30 - B4B	
				Packaging 2 - 31 - B4B	
				Packaging 2 - 32 - B4B	
				Packaging 2 - 33 - B4B	
				Packaging 2 - 34 - B4B	
				Packaging 2 - 35 - B4B	
				Packaging 2 - 36 - B4B	
120	QC 6	10 pcs	9/12/19	0.00 0.00	QC 6 - 9
				QC 6 - 68	DAS
				QC 6 - 61	81
				QC 6 - 40	9-89
				QC 6 - 81	
130	Packaging 3-1 - Stock - B4B	10 pcs	9/12/19	0.00 0.00	Packaging 3 - 1 - B4B
					Packaging 3 - 2 - B4B
					Packaging 3 - 3 - B4B
					Packaging 3 - 4 - B4B
					Packaging 3 - 5 - B4B
					Packaging 3 - 6 - B4B
					Packaging 3 - 7 - B4B
					Packaging 3 - 8 - B4B
					Packaging 3 - 9 - B4B
					Packaging 3 - 10 - B4B
					Packaging 3 - 11 - B4B
					Packaging 3 - 12 - B4B
					Packaging 3 - 13 - B4B
					Packaging 3 - 14 - B4B
					Packaging 3 - 15 - B4B
					Packaging 3 - 16 - B4B
					Packaging 3 - 17 - B4B
					Packaging 3 - 18 - B4B
					Packaging 3 - 19 - B4B
					Packaging 3 - 20 - B4B
					Packaging 3 - 21 - B4B
					Packaging 3 - 22 - B4B
					Packaging 3 - 23 - B4B
					Packaging 3 - 24 - B4B
					Packaging 3 - 25 - B4B
					Packaging 3 - 26 - B4B
					Packaging 3 - 27 - B4B
					Packaging 3 - 28 - B4B
					Packaging 3 - 29 - B4B
					Packaging 3 - 30 - B4B
					Packaging 3 - 31 - B4B
					Packaging 3 - 32 - B4B
					Packaging 3 - 33 - B4B
					Packaging 3 - 34 - B4B
					Packaging 3 - 35 - B4B
					Packaging 3 - 36 - B4B
140	QC 21 - SA	10 pcs	9/12/19	0.00 0.00	QC 21 - SA - 21
					QC 21 - SA - 70
					QC 21 - SA - 53

OCT 09 2019

PC GA 203

OCT 10 2019

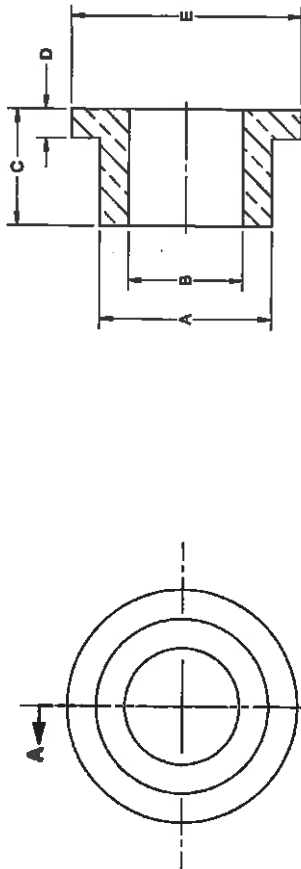
Part Op 100 - ISSUE P/O: _____ SUPPLIER: MC MASTER CARR SUPPLIER P/N: 6381K427 C OF C IS
 Descriptions: REQUIRED

- 110 - (Receive & Inspect for Damage & Mat'l Certs)
- 120 - (QC6- All purchased or subcontracted products)
- 130 - (Identify as per dwg & Stock Location: _____)
- 140 - (QC21- Final Inspection - Work Order Release)

Job BOM				
Part / Item	Component Name	Quantity	Operation	Container
6381K427	Bushing D5013-15	10 pcs (1 ea)	100-Purchasing	5210 282
Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
100-Purchasing	6381K427	10	1	0
Part Specifications				
Specifications could not be found.				

Plex 9/6/19 9:02 AM Dart.Lavoie.Chantal

SPECIFICATION CONTROL DRAWING



SECTION A-A

D5013-XX BUSHING

DART PIN	DART EUGENE PIN REF	A (φ)	B (φ)	C	D	E (φ)	MATERIAL	WEIGHT (lbs)	PREFERRED SUPPLIER	SUPPLIER PIN
D5013-1	N/A	0.375	0.313	0.250	N/A	N/A	SAE 660 (BRONZE)	0.002	MCMASTER CARR	6381K425
D5013-3	C2-12-1	0.377	0.262	0.250	0.063	0.466	SINTERED BRONZE	0.006	KAMAN INDUSTRIAL	SF-812-4
D5013-5	C2-4-1	0.627	0.502	0.375	0.063	0.876	SINTERED BRONZE	0.019	KAMAN INDUSTRIAL	SF-1620-8
D5013-7	N/A	0.625	0.500	0.375	0.125	0.875	SAE 841(OILITE)	0.025	MCMASTER CARR	6339K417
D5013-9	N/A	0.375	0.250	0.375	0.063	0.500	SAE 841(OILITE)	0.009	MCMASTER CARR	6339K412
D5013-11	N/A	0.625	0.500	0.500	N/A	N/A	SAE 841(OILITE)	0.018	MCMASTER CARR	6391K212
D5013-13	N/A	0.313	0.250	0.500	N/A	N/A	SAE 660 (BRONZE)	0.004	MCMASTER CARR	6381K41
D5013-15	N/A	0.375	0.313	0.500	N/A	N/A	SAE 660 (BRONZE)	0.01	MCMASTER CARR	6381K427

RELEASED
R 2014-05-17

C	ADDED .15" PART CHANGED FOR 3/16 BOLT AND CHANGED FOR STRENGTH. -15 MATERIAL CHANGED FOR STRENGTH.	AJS	14.04.23
B	REFER TO TABLE A SUPPLIER PIN WAS 6391K403.-7 SUPPLIER PIN WAS 6339K418, ADDED -13.	AJS	14.03.13
A	NEW ISSUE	AJS	14.01.22
REV.	DESCRIPTION	BY	DATE
DESIGN	AJS		
DRAWN	ML		
CHECKED	DW		
MFG. APPR.	DD		
APPROVED	MP		
DE APPR.	DS		
DATE	14.04.23		

- NOTES:
- 1) MATERIAL: SEE CHART
 - 2) FINISH: NONE
 - 3) TOLERANCES: PER DART Q81 018 UNLESS OTHERWISE NOTED
 - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
 - 5) BREAK SHARP EDGES: 0.003 TO 0.010 MAX
 - 6) IDENTIFICATION: PER Q81 044 8.7
 - 7) WEIGHT: SEE CHART

APPROVED

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

REV. C
SHEET 1 OF 1

SCALE
N/A

HOOK BUSHINGS

FOR PARTS OF THE DART AEROSPACE LTD
WEB DOCUMENTS SYSTEMS AND COMPONENTS, THIS DRAWING IS THE PROPERTY OF DART AEROSPACE LTD
AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT
THE WRITTEN PERMISSION OF DART AEROSPACE LTD



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB044442



Supplier: MCM001-VU
McMaster-Carr Supply Co,
P.O. Box 7690
Chicago, IL 60680-7690 USA
Phone: 330 995 5500
Fax: 330 995 9600

Attention: N/A,

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: POHB044442

PO Date: 9/6/19

Due Date: 9/10/19

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Lavoie, Chantal
Phone: 613-623-5200 Ext: 242
Fax: 613-632-1053
clavoie@dartaero.com

Via: Ground

Pymt Terms: 2% 10 Net 30

Freight Terms:

Special Comments:

Items

Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1	200039	6381K425	1/pk	Bushing D5013-1	Firmed	-	9/10/19	10 pcs	0 pcs	10 pcs	\$4.02/pcs	\$40.20
2	200042	6391K212	1/pk	Bushing D5013-11 receive pcs	Firmed	-	9/10/19	10 pcs	0 pcs	10 pcs	\$1.01/pcs	\$10.10
3	200040	6381K427	1/pk	Bushing D5013-15 receive pcs	Firmed	-	9/10/19	10 pcs	0 pcs	10 pcs	\$3.91/pcs	\$39.10
4	200071	6718K52		Fitting, Quick Disconnect D4182-1 : AS PER DWG D4182 REV. B	Firmed	-	9/10/19	24 pcs	0 pcs	24 pcs	\$5.98/pcs	\$143.52
5		MDELRRINR1.750W	8572K27	M Delrin Round Bar, White	Firmed	-	9/10/19	5 ft	0 ft	5 ft	\$14.22/ft	\$71.10

Grand Total: \$304.02



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PURCHASE ORDER
POHB044442



Order Notes

Procurement Quality Clauses

A005 RIGHT OF ENTRY

A016 PERSONNEL QUALIFICATION

A026 CERTIFICATION OF MATERIAL CONFORMANCE

A032 DOCUMENT SPECIAL REQUIREMENTS

A033 STATEMENT OF CONFORMITY/TEST RECORDS FOR NAS, AN and MS FASTENERS

A040 NOTIFICATION OF QUALITY ESCAPE

A041 QUALITY MANAGEMENT SYSTEM

A042 DART NOTIFICATION BY SUPPLIER

A043 RETENTION OF QUALITY DOCUMENTS

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 9/6/19 2:24 PM Dart.Lavoie.Chantal

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
POHB044442

Order Placed By
Chantal Lavoie

McMaster-Carr Number
1842983-02

Page 1 of 1

09/06/2019

Line	Product	Ordered	Shipped
① 6381K425	Multipurpose SAE 660 Leaded Bronze Sleeve Bearing for 5/16" Shaft Diameter and 3/8" Housing ID, 1/4" Long	10 ✓ Each	10
② 6391K212	Oil-Embedded Bronze Sleeve Bearing for 1/2" Shaft Diameter and 5/8" Housing ID, 1/2" Long	10 ✓ Each	10
③ 6381K427	Multipurpose SAE 660 Leaded Bronze Sleeve Bearing for 5/16" Shaft Diameter and 3/8" Housing ID, 1/2" Long	10 ✓ Each	10
④ 6718K52	303 Stainless Steel Industrial Quick-Disconnect Hose Coupling for Air, Plug, 1/4 Coupling Size, 1/4 NPTF Female End	24 ✓ Each	24

RECEIVED
SEP 09 2019
DART AEROSPACE LTD.



Certificate of Compliance

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
POHB044442
Order Placed By
Chantal Lavoie
McMaster-Carr Number
1842983-02

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2	6391K212 Oil-Embedded Bronze Sleeve Bearing for 1/2" Shaft Diameter and 5/8" Housing ID, 1/2" Long	10 Each	10
3	6381K427 Multipurpose SAE 660 Leaded Bronze Sleeve Bearing for 5/16" Shaft Diameter and 3/8" Housing ID, 1/2" Long	10 Each	10
4	6718K52 303 Stainless Steel Industrial Quick-Disconnect Hose Coupling for Air, Plug, 1/4 Coupling Size, 1/4 NPTF Female End	24 Each	24

Tracking	Carrier	Weight
489235081731	FedEx Intl Priority	3 lb

Certificate of Compliance

This is to certify that the above items were supplied in accordance with the description and as illustrated in the catalog. Your order is subject only to our terms and conditions, available at www.mcmaster.com or from our Sales Department.

Digitally signed by

McMASTER-CARR®